HFA-305

Approval Date: PR 2 1 2004

FREEDOM OF INFORMATION SUMMARY

SUPPLEMENTAL ABBREVIATED NEW ANIMAL DRUG APPLICATION (ANADA)

ANADA 200-193

CLINDAMYCIN HYDROCHLORIDE ORAL LIQUID

(clindamycin hydrochloride)

Indications for use: Expands the dosage range and revises the indications section in dogs and cats.

Sponsored by:

Phoenix Scientific, Inc. 3915 South 48th St. Terrace St. Joseph, MO 64503

FREEDOM OF INFORMATION SUMMARY

1.	Genera	I In	form	ation:
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a. File Number: ANADA 200-193

b. Sponsor: Phoenix Scientific, Inc.

3915 South 48th St. Terrace St. Joseph, MO 64503

Drug Labeler Code: 059130

c. Established Names: Clindamycin hydrochloride oral liquid

d. Proprietary Name: Clindamycin Hydrochloride Oral Liquid

e. Dosage Form: Oral Solution

f. How Supplied: 20 mL (0.68 fl oz) multiple dose vials

Rx How Dispensed:

h. Amount of Active Ingredients: Each mL contains clindamycin hydrochloride

equivalent to clindamycin 25 mg.

i. Route of Administration: Oral

j. Species/Class: Dogs and cats

k. Recommended Dosage: Dogs: Wounds, abscesses, and dental infections:

2.5 to 15 mg per pound of body weight every 12 hours for a maximum of 28 days. Osteomyelitis: 5.0 to 15 mg/lb of body weight every 12 hours for

a minimum of 28 days.

Cats: Wounds, abscesses, and dental infections; 5.0 to 15.0 mg//lb body weight every 24 hours for

a maximum of 14 days.

1. Pharmacological Category: Antibacterial

m. Indications: Clindamycin Hydrochloride Oral Liquid is

indicated for the treatment of infections caused by

susceptible strains of the designated microorganisms in the specific conditions listed below:

Dogs: For the treatment of skin infections (wounds and abscess) due to coagulase positive staphylococci (Staphylococcus aureus or Staphyloccus intermedius), deep wounds and abscess due to Bacteroides fragilis, Prevotella melaninogenicus, Fusobacterium necrophorum, and Clostridium perfringens, dental infections due to S. aureus, B. fragilis, P. melaninogenicus, F. necrophorum, and C. perfringens, and osteomyelitis due to S. aureus, B. fragilis, P. melaninogenicus, F. necrophorum, and C. perfringens.

Cats: For the treatment of skin infections (wounds and abscess) due to *Staphylococcus aureus*, *S. intermedius*, *Streptococcus* spp., deep wounds and abscesses due to *Clostridium perfringens* and *Bacteroides fragilis*, and dental infections due to *S. aureus*, *S. intermedius*, *Streptococcus* spp., *C. perfringens*, and *B. fragilis*.

ANTIROBE AQUADROPS; Clindamycin Hydrochloride; NADA 135-940; Pharmacia & Upjohn

The supplement provides for approval of a dose range and revised indications for use of Clindamycin Hydrochloride Oral Liquid in dogs and cats which was approved for the pioneer product under NADA 135-940 (67 FR 54954, Aug. 27, 2002) with no exclusivity period. The expanded range was changed from a point dose of 2.5 mg/lb. in dogs to an expanded range of 2.5 to 15 mg/lb. The change in cats was from a range of 5.0 to 10.0 mg/lb. to a range of 5.0 to 15.0 mg/lb. The revised indications provides for a change in the words 'soft tissues infections' to 'skin infections' for dogs and cats.

- n. Pioneer Product:
- o. Effect of Supplement:

2. TARGET ANIMAL SAFETY AND DRUG EFFECTIVENESS:

Under the provisions of the Federal Food, Drug, and Cosmetic Act, as amended by the Generic Animal Drug and Patent Term Restoration Act (GADPTRA) of 1988, an Abbreviated New Animal Drug Application (ANADA) may be submitted for a generic version of an approved new animal drug (pioneer product). New target animal safety and effectiveness data and human food safety data (other than tissue residue data) are not required for approval of an ANADA.

Ordinarily, the ANADA sponsor shows that the generic product is bioequivalent to the pioneer, which has been shown to be safe and effective. If bioequivalence is demonstrated through a clinical endpoint study, then a tissue residue study to establish the withdrawal time for the generic product should also be conducted. For certain dosage forms, the agency will grant a waiver from the requirement of an *in vivo* bioequivalence study. (55 FR 24645, June 18, 1990; Fifth GADPTRA Policy Letter; Bioequivalence Guideline, October 9, 2002).

Based on the formulation characteristics of the generic product, Phoenix Scientific, Inc. was granted a waiver from the requirement of an *in vivo* bioequivalence study for the generic product Clindamycin Hydrochloride Oral Liquid. The generic product is administered as an oral solution, contains the same active ingredient in the same concentration and dosage form as the pioneer product, and contains no inactive ingredients that may significantly affect the absorption of the active ingredients. The pioneer product, ANTIROBE AQUADROPS (clindamycin hydrochloride), sponsored by Pharmacia & Upjohn Co., NADA 135-940, was approved on May 23, 1985.

3. HUMAN SAFETY:

This drug is intended for use in dogs and cats, which are non-food animals. Because this new animal drug is not intended for use in food-producing animals, data on human safety pertaining to drug residues in food were not required for approval of this supplemental ANADA.

4. AGENCY CONCLUSIONS:

This supplemental ANADA submitted under section 512(b) of the Federal Food, Drug, and Cosmetic Act satisfies the requirements of section 512(n) of the act and demonstrates that Clindamycin Hydrochloride Oral Liquid (clindamycin hydrochloride), when used under its proposed conditions of use, is safe and effective for its labeled indications.

5. ATTACHMENTS:

Facsimile generic labeling and currently approved pioneer labeling are attached as indicated below:

<u>Pioneer Labeling for NADA 135-940:</u> ANTIROBE AQUADROPS-Insert

Generic Labeling for ANADA 200-193: Clindamycin Hydrochloride Oral Liquid-bottle label, insert, clipboard carton

Antirobe Aquadrops®

brand of clindamycin hydrochloride liquid

parameters evaluated to assess toxicity when comparing groups of (reated animals with contemporary controls Rats administered clindamycin hydrochloride at 600 mg/kg/day (272 7 mg/lb/day) for six months tolerated the drug well, however, dogs orally dosed at 600 mg/kg/day. (272 7 mg/lb/day) vomiled, had anorexia, and subsequently lost weight At necropsy these dogs had erosive pastritis and focal areas of necrosis of the mucosa of the gall

Safety in gestating bitches or breeding males has not been established

Cat Data: The recommended daily therapeutic dose range for clindamycin hydrochloride (ANTIROBE AQUADROPS Liquid) is 11 to 33 mg/kg/day (5 to 15 mg/lb/day) depending on the severity of the con-dition. Clindamyoin hydrochloride (ANTIROBE AQUADROPS Liquid) was tolerated with little evidence of toxicity in domestic shorthair cats when administered orally at 10x the minimum recommended therapeutic daily dose (11 mg/kg; 5 mg/fb) for 15 days, and at doses up to 5y the minimum recommended therapeutic dose for 42 days. Gastrointeslinal tract upset (soft feces to diarrhea) occurred in control and treated cats with emesis occurring at doses 3× or greater than the minimum recommended therapeutic dose (11 mg/ kg/day, 5 mg/lb/day) Lymphocytic inflammation of the gallbladder was noted in a greater number of treated cats at the 110 mg/kg/day (50 mg/lb/ day) dose level than for control cats No other effects were noted Safety in gestaling queens or breeding male cals has not been established

INDICATIONS

ANTIROBE (brand of clindamycin hydrochloride) Capsules (for use in dogs only) and AQUADROPS Liquid (for use in dogs and cats) are indicated for the treatment of infections caused by susceptible strains of the designated microorganisms in the specific conditions listed below

Dogs: Skin infections (wounds and abscesses) due to coagulase posilive staphylococci (Staphylococcus aureus or Slaphylococcus intermedius) Deep wounds and abscesses due to Bacteroides fragilis, Prevotella melaninogenicus Fusobacterium

Antirobe

brand of clindamycin hydrochloride capsules, USP

Antirobe Aquadrops

brand of clindamycin hydrochloride liquid

necrophorum and Clostridium perfringens. Dental infections due to Staphylococcus aureus, Bacteroides fragilis, Prevotella melaninogenicus, Fusobacterium necrophorum and Clostridium perfringens Osteomyelitis due to Staphylococcus aureus, Bacteroides fragilis, Prevotella melaninogenicus, Fusobacterium necrophorum and Clostridium perlningens.

Cats: Skin infections (wounds and abscesses) due to Staphylococcus aureus, Staphylococcus intermedius, Streptococcus spp Deep wounds and intections due to Clostridium perfungens and Bacteroides fragilis.

Dental infections due to Staphylococcus aureus, Staphylococcus intermedius, Streptococcus spp., Clostridium perfringens and Bacteroides fragilis

CONTRAINDICATIONS

ANTIROBE Capsules and ANTIROBE AQUA-DROPS Liquid are contraindicated in animals with a history of hypersensitivity to preparations containing clindamycin or lincomycin.

Because of potential adverse gastrointestinal effects, do not administer to rabbits, hamsters, guinea pigs, horses, chinchillas or ruminating

Keep out of reach of children. Not for human

PRECAUTIONS

During prolonged therapy of one month or preater, periodic liver and kidney function tests and blood counts should be performed

The use of ANTIROBE occasionally results in overgrowth of non-susceptible organisms such as clostridia and yeasts. Therefore, the administration of ANTIROBE should be avoided in those species sensitive to the gastrointestinal effects of clindamycin (see CONTRAINDICATIONS) Should superintections occur, appropriate measures should be taken as indicated by the clinical situation.

Patients with very severe renal disease and/or very severe hepatic disease accompanied by severe metabolic aberrations should be dosed with caution, and serum clindamyoin levels monitored during high-dose therapy.
Clindamyon hydrochloride has been shown to

have neuromuscular blocking properties that may enhance the action of other neuromuscular blocking agents. Therefore, ANTIROBE should be used with caution in animals receiving such agents

Safety in gestating bitches and queens or breeding male dogs and cats has not been established

ADVERSE REACTIONS

Side effects occasionally observed in either clinical trials or during clinical use were vomiting

To report adverse reactions or a suspected adverse reaction call 1-800-793-0596

Antirobe

brand of clindamycln hydrochloride capsules, USP

Antirobe Aquadrops

brand of clindamycin hydrochloride liquid

DOSAGE AND ADMINISTRATION

Infected Wounds, Abscesses, and Dental

Oral: 2.5-15.0 mg/lb body weight every 12 hours

Duration: Treatment with ANTIROBE prod ucts may be continued up to a maximum of 28 days if clinical judgment indicates Treatment of acute infections should not be continued for more than three or four days if no response to therapy is seen.

Dosage Schedule:

Capsules

ANTIROBE 25 mg, administer 1-6 capsules every 12 hours for each 10 pounds of body

ANTIROBE 75 mg, administer 1-6 capsules every 12 hours for each 30 pounds of body

ANTIROBE 150 mg, administer 1-6 capsules every 12 hours for each 60 pounds of body

ANTIROBE 300 mg, administer 1-6 capsules every 12 hours for each 120 pounds of body weight.

Liquid

ANTIROBE AQUADROPS, administer 1-6 mL/10 lbs body weight every 12 hours.

Dogs;

Osteomyelitis

Oral: 5.0-15.0 mg/lb body weight every 12

Duration: Treatment with ANTIROBE is recommended for a minimum of 28 days. Treatment should not be continued for longer than 28 days if no response to therapy is seen

Dosage Schedule:

ANTIROBE 25 mg, administer 2-6 capsules every 12 hours for each 10 pounds of body

ANTIROBE 75 mg, administer 2-6 capsules every 12 hours for each 30 pounds of body

ANTIROBE 150 mg, administer 2-6 capsules every 12 hours for each 60 pounds of body

ANTIROBE 300 mg, administer 2-6 capsules every 12 hours for each 120 pounds of body weight

Linuid

ANTIROBE AQUADROPS, administer 2-6 mL/ 10 lbs body weight every 12 hours

Cats:

Infected Wounds, Abscesses, and Dental Infections

5 0 - 15.0 mg/lb body weight once every 24 hours depending on the severity of the condition.

Duration: Treatment with ANTIROBE AQUADROPS Liquid may be continued up to a

Antirobe

brand of clindamycin hydrochloride capsules, USP

Antirobe Aquadrops

brand of clindamycln hydrochloride liquid

maximum of 14 days if clinical judgment indicates. Treatment of acute infections should not be continued for more than three to four days if no clinical response to therapy is seen.

Dosage Schedule:

ANTIROBE AQUADROPS, to provide 5.0 mg/lb. administer 1 mL/5 lbs body weight once every 24 hours; to provide 15 0 mg/lb, administer 3 mL/5 lbs body weight once every 24 hours

HOW SUPPLIED

ANTIROBE Capsules are available as: 25 mg - bottles of 600 NDC 0009-3043-01 75 mg - bottles of 200NDC 0009-3044-01 150 mg - bottles of 100NDC 0009-3045-01 150 mg - blister packages

.....NDC 0009-5015-01 of 100

NADA #120-161, Approved by FDA

ANTIROBE AQUADROPS Liquid is available as 20 mL filled in 30 mL bottles (25 mg/mL) supplied in packers containing 12 cartoned bottles with direction labels and calibrated dosing droppers, NDC 0009-3179-01. NADA #135-940, Approved by FDA

To report a suspected adverse reaction or to request a material safety data sheet (MSDS). call 1-800-793-0596

Store at controlled room temperature 20° to 25° C (68° to 77° F) [see USP].

ANTIROBE AQUADROPS

Made by

Pharmacia & Upjohn Company Kalamazoo, Mi 49001, USA

ANTIROBE Capsules Made in Canada for Pharmacia & Upjohn Company Kalamazoo, MI 49001, USA By Patheon YM Inc. Don Mills, Ontario, M3B 1Y5 CANADA

Revised February 2002

813 805 711 3179-01-000 ANADA 200-193, Approved by FDA

CLINDAMYCIN HYDROCHLORIDE ORAL LIQUID

Caution: Federal law restricts this drug to use by or on the order of a licensed veterinarian.

DESCRIPTION

Clindamycin Hydrochlonde Oral Liquid contains clindamycin hydrochlonde which is the hydrated salt of clindamycin. Clindamycin is a semisynthetic antibiotic produced by a 7(S)-chlorosubstitution of the 7(R)-hydroxyl group of a naturally produced ambiotic produced by Streptomyces Incohensis var. Incohensis.

Clindamycin Hydrochlondo Oral Liquid is a palatable formulation intended for oral administration to dogs and cats. Each mL of Clindamycin Hydrochlonde-Oral Liquid contains clindamycin hydrochlonde equivalent to 25 mg clindamycin; and ethyl alcohol, 8.64%.

ACTIONS

Site and Mode of Action: Clindamyon is an inhibitor of protein synthesis in the bacterial cell. The site of binding appears to be in the 50S sub-unit of the ribosome. Binding occurs to the soluble RNA fraction of certain ribosomes,

appears to be in the SOS sub-unt of the ribosome. Binding occurs to the soluble RNA fraction of certain ribosomes, thereby inhibiting the binding of amino acids bit bisse ribosomes. Clindamycin differs from cell wall inhibitors in that it causes irreversible modification of the protein-synthesizing subcellular elements at the ribosomal level. MICROBIOLOGY: Clindamycin is a lincaparminide antimicrobial agent with activity against a wide variety of aerobic and anaerobic bacteral pathogens. Clindamycin is a bacteriostatic compound that inhibits bacterial protein synthesis by binding to the 50S ribosomal subunit. The minimum inhibitory concentrations (MICs) of Gram-positive and obligate anaerobic pathogens isolated from dogs and cats in the United States are presented in Table 1 and Table 2. Bacteria were solated in 1998–1999, All MICs were performed in accordance with the National Committee for Clinical Laboratory Standards (NCCLS).

Table 1. Clindamycin MiC Values (µg/mL) from Diagnostic Laboratory Survey Data Evaluating Canine Pathogens in the U.S. during 1998-991

Organism	Number				
	Isolates	MICEO	MIC85	MfC ₉₀	Range
Soft Tissue/Wound ²					
Staphylococcus					
aureus	17	0.5	0.5	≥4.0	0.25-24.0
Staphylococcus					
intermedius	28	0.25	0.5	≥4.0	0.125-24.0
Staphylococcus					
spp	18	05	0.5	≥40	0.25.24.0
Beta-hemolytic					
streptococci	46	0.5	0.5	≥4,0	0.25-24.0
Streptococcus					
spp.	11	05	≥4.0	≥4.0	0.25-24 0
Osteomyelits/Bone3					
Staphylococcus					
aureus	20	0.5	0.5	0.5	0.54
Staphylococcus					
intermedius	15	0.5	≥4.0	≥4.0	0.25-24.0
Stephylococcus					
spp.	18	0.5	≥4.0	≥4 0	0.25-≥4 0
Beta-hemolytic					
streptococci	21	0.5	2.0	2.0	0.25-24.0
Streptococcus					
spp.	21	≥40	≥4.0	≥40	0.25-24.0
Dermal/Skin ^s					
Staphylococcus					
aureus	25	Q 5	≥40	24.0	0 25-≥4.0
Staphylococcus					
intermedius	48	0.5	≥40	≥40	0,125-24.0
Staphylococcus					
spp.	32	0.5	≥4.0	≥4.0	0.25-24.0
Beta-nemolytic					
streptococci	17	0.5	0.5	0.5	0.25-0.5

- The correlation between the *in vitro* susceptibility data and clinical response has not been determined. Soft Tissue/Wound includes samples labeled wound,
- ess, aspirate, exudates, draining tract. lesion. and
- mass Osteomyelitis/Bone: includes samples labeled bone,
- fracture, joint, tendon No range, all isolates yielded the same value Dermal/Skin: includes samples labeled skin, skin swab, biopsy, inclision, lip

Table 2. Clindamycin MIC Values (µg/mi.) from Diagnostic Laboratory Survey Data Evaluating Feline Pathogens from Wound and Abscess Samples in the U.S. during 19981

•		-			
Organism	Number of Isolates	MIC ₅₀	MIC ₉₀	Range	
Bacteroides/ Prevolella	30	0.06	4.0	≤0 015-4.0	
Fusobactenum spp.	17	0.25	0.25	≤0.015-0.5	
Peptostrepto- coccus spp.	18.	0.13	0.5	⊴0.015-8.0	
Porphyromonas spp.	13	0.06	0.25	≤0.015-8 0	

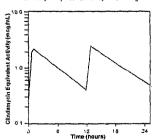
The carrelation between the in vitro susceptibility data and clinical response has not been determined.

PHARMACOLOGY

Absorption: Clindamycin hydrochloride is rapidly absorbed from the canine and feline gastrointestinal tract.

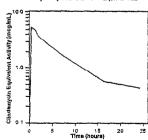
Dog Serum Levele: Serum levels at or above 0.5 µg/mt. can be maintained by oral dosing at a rate of 2.5 mg/lb of clindamyon hydrochloride every 12 hours. This same study revealed that verage peak serum concontrations of cindamyon occur 1 hour and 15 minutes after oral dosing. The elimination hall-file for cindamyon not gerum was approximately 5 hours. Their was no bioactivity accumulation after a regimen of multiple oral doses in hall-file for

Clindamyon Serum Concentrations 2.5 mg/lb (5.5 mg/kg) After B.i.D. Oral Dose of Clindamyon Hydrochlonde Capsules to Dogs



Cat Serum Levels: Serum levels at or above 0.5 µg/ml. can be Cat Serum Leveis: Serum levels at or above 0.5 µg/ml., can be mainlaned by oral doesng at a rate of 5 mg/b of cindamyen hydrochlonde liquud every 24 hours. The average peak serum concentration of cindamyen occurs approximately 1 hour after oral doesng. The elimination half-life of cindamyen in lettre serum is approximately 7.5 hours. In healthy eats, marmal accumulation occurs after multiple or oral doesn of cindamyen hydrochlonde, and sleady-state should be actived by the third doesn.

Clindamyon Serum Concentrations 5 mg/lb (11 mg/loj) After Single Oral Dose of Clindamyon Hydrochlonde Oral Liquid to Cats



METABOLISM AND EXCRETION

Extensive studies of the metabolism and excrétion of clindamycin hydrochlonde administered orally in animals and humans have shown that unchanged drug and bloactive and blonactive metabolities are excreted in unne and sees. Almost all of the bloactivity detected in serum after clindamycin hydrochlonde product administration is due

to the parent molecule (clindamycin). Urine bioactivity, however, reflects a mixture of clindamycin and active metabolites, especially N-dimethyl clindamycin and clindamycin sulfoxide.

ANIMAL SAFETY SUMMARY Rat and Dog Data: One year oral toxicity studies in rate and dogs at doses of 30, 100 and 300 mg/kg/day (13.6, 45.5 and 136.4 mg/lb/day) have shown clindamycin hydrochloride to be well tolerated. Differences oid not occur in the parameters evaluated to assess toxicity when comparing groups of freated animals with contemporary controls. Rats administered clindamycin hydrochloride at 600 mg/kg/day (272.7 mg/lb/day) for six months tolerated the drug well; however, dogs orally dosed at 600 mg/kg/day (272.7 mg/lb/day) vomited, had anorexia, and subsequently lost weight. At necropsy these dogs had erosive gastritis and focal areas of necrosis of the mucosa of the gall bladder.

mucosa of the gall bladder.

Safety in gestating bitches or breeding males has not been established.

Cat Data: The recommended daily therapeutic dose range for Clindamyoin Hydrochlonde Oral Liquid is 11 to 33 mg/kg/day (5 to 15 mg/lb/day) depending on the severity of the condition. Clindamyoin hydrochlonde oral liquid was tolerated with little evidence of toxicity in domestic shorthair cats when administered orally at 10x the minimum recommended therapeutic daily dose (11 mg/kg; 5 mg/lb) for 15 days, and at doses up to 5x the minimum recommended therapeutic dose for 42 days, Gastrointestinal tract upset (soft feces to diarrhea) occurred in control and treated cats with emests occurring at doses 3x or greater than the minimum recommended therapeutic dose (11 mg/kg/day; 5 mg/lb/day). Lymphocytic inflammation of the gallbladder was noted in a greater number of treated cats at the 110 mg/kg/day (5 mg/lb/day) dose level than for control cats. No other effects were noted. Safety in gestating queens or breeding male cats has not been established. gestating queens or breeding male cats has not been established.

INDICATIONS

INDICATIONS

Clindamyon Hydrochloride Oral Liquid is indicated for the treatment of infections caused by susceptible strains of the designed microorganisms in the specific conditions isted below:

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Dogs: Skin infections (wounds and abscesses) due to coaguiase positive staphylococci (Staphylococcus aureus or Staphylococcus miermedius). Deep wounds and abscesses due to Bacteroides tragitis, Prevotella melaninogenicus, Fusobacterium neorophorum and Clostridium perfinigens. Dental infections due to Staphylococcus aureus, Bacteroides fragitis, Prevotella melaninogenicus, Fusobacterium neorophorum and Clostridium perfinigens. Settemptellitis due to Staphylococcus aureus, Bacteroides fragitis, Prevotella melaninogenicus, Fusobacterium neorophorum and Clostridium perfinigens.

Cats: Skin infections (wounds and abscesses) due to Staphylococcus aureus, Staphylococcus intermedius, Streptococcus spp., Deep wounds and infections due to Clostridium perfinigens and Bacteroides fragitis. Dentai infections due to Staphylococcus aureus, Staphylococcus spp., Clostridium perfinigens and Bacteroides fragitis.

CONTRAINDICATIONS

CONTRAINDICATIONS

Clindamyon Hydrochloride Oral Liquid is contraindicated in animals with a history of hypersensitivity to preparations containing dindamyon or lincomyon.

Because of potential adverse gastrointestinal effects, do not admirister to rabbits, hamsters, guinea pigs, horses,

chinchillas or ruminating animals.

WARNINGS

Keep out of reach of children, Not for human use.

PRECAUTIONS

During prolonged therapy of one month or greater, periodic liver and kidney function tests and blood counts

During prolonged therapy of one month or greater, periodic liver and kidney runcion tests allo under should be performed.

The use of dindamyon hydrochlonde occasionally results in overgrowth of non-susceptible organisms such as closindia and yeasts. Therefore, the administration of clindarnyon hydrochlonde should be avoided in those species sensitive to the gastrointestinal effects of clindarnyon (see CONTRAINDICATIONS). Should superinfections occur, appropriate measures should be taken as indicated by the clinical station. Patients with very severe renal disease and/or very severe hepatic disease accompanied by severe metabolic abertations should be dosed with caution, and serum clindamyoin levels monitored during high-dose therapy.

Clindamyoin hydrochlonde has been shown to have neuromuscular blocking properties that may enhance the action of other neuromuscular blocking agents. Therefore, clindamyoin hydrochloride should be used with caution in animals receiving such agents.

Safety in gestating bliches and queens or breeding male dogs and cats has not been established.

ADVERSE REACTIONS

Side effects occasionally observed in either clinical trials or during clinical use were vorniting and diarrhea.

DOSAGE AND ADMINISTRATION

Oral: 2.5-15.0 mg/lb body weight every 12 hours. **Duration:** Treatment with Clindamycin Hydrochlonde products may be continued up to a maximum of 28 days if clinical judgment indicates. Treatment of acute infections should not be continued for more than three or four days if no response to therapy is seen.

Dosage Schedule:

Clindamycin Hydrochloride Oral Liquid
Administer 1-6 mL/10 lbs body weight every 12 hours.

Dogs: Osteomyelitis

Oral: 5.0-15.0 mg/lb body weight every 12 hours. Duration: Treatment with Clindamycin Hydrochlonde Oral Liquid is recommended for a minimum of 28 days. Treatment should not be continued for longer than 28 days if no response to therapy is seen.

Dosage Schedule:

Dosage scriedure: Clindamycin Hydrochloride Oral Liquid Administer 2-6 mL/10 lbs body weight every 12 hours.

Cats: Intected Wounds, Abscesses and Dental Intections

Carls. 5.0 to 15.0 mg/lb body weight once every 24 hours depending on the severity of the condition. Duration: Treatment with Clindamyon Hydrochloride Oral Liquid may be continued up to a maximum of 14 days if clinical judgment indicates. Treatment of acute infections should not be continued for more than three to four days if no clinical response to therapy is seen.

Dosage Schedule:

Clindamycin Hydrochloride Oral Liquid, to provide 5.0 mg/lb, administer 1 mt/ 5 lb body weight once every 24 hours: to provide 15.0 mg/lb, administer 3 mt/5 lbs body weight once every 24 hours. ANADA #200-193, Approved by the FDA

HOW SUPPLIED

Clindamyon Hydrochlonde Oral Liquid is available as 20 mL filled in 30 mL bottles (25 mg/mL) supplied in packers containing 12 carloned bottles with direction labels and calibrated dosing droppers. Store at controlled room temperature 20°-25°C (68°-77°F).

500016

Rev. 11/02

Manufactured by Phoenix Scientific, Inc. St. Joseph, MO 64503



Rev. 11-02

for human use. reach of children. Not Warning- Keep out of

910009

TAKE TIME

St. Joseph, MO 64503 Phoenix Scientific, Inc. Manufactured by:

information. product complete See package insert for

.%46.8 clindamycin 25 mg and ethyl alcohol, chloride equivalent to Clindamycin hydro-Each mL contains:

NET CONTENTS: 20 mL (0.68 fl oz)

ANADA 200-193, Approved by FDA For Use in Animals Only

by or on the order of a licensed veterinarian.

CAUTION: Federal law restricts this drug to use Clindamycin

Equivalent to 25 mg/mL **Sitolidital** Oral Liquid Hydrochloride Clindamycin

RDC 28130-013

Exp. Date

Lot No.

50.-52.C (88.-11.E) Store at controlled room temperature

severity of the condition. once every 24 hours depending on the orally administer 1-3 mL/5 lb body weight wonude, abscesses and dental intections, Recommended cat dosage: For therapy of

every 12 hours. 5.0-15.0 mg/lb (2-6 mL/10 lbs) body weight therapy of osteomyelitis orally administer lbs) body weight every 12 hours, For 01\Jm 8-1) dl\gm 0.81-8.5 retainimbs yllaro wounds, abscesses and dental infections, Recommended dog dosage: For therapy of Approved for use in dogs and cats.